



# AscenLink LinkOS V7.2.15 B7960

Release Notes



AscenLink Release Notes – LinkOS V7.2.15 B7960

August 10, 2016

Revision 1

Copyright© 2016 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, and FortiGuard® are registered trademarks of Fortinet, Inc., and other Fortinet names herein may also be trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance metrics contained herein were attained in internal lab tests under ideal conditions, and performance may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to the performance metrics herein. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. Fortinet disclaims in full any guarantees. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.

Technical Documentation

<http://help.fortinet.com>

Knowledge Base

<http://kb.fortinet.com>

Forums

<https://support.fortinet.com/forums>

Customer Service & Support

<https://support.fortinet.com>

Training

<http://training.fortinet.com>

License Agreement

<http://www.fortinet.com/doc/legal/EULA.pdf>

Document Feedback

Email: [ascenlink@fortinet.com](mailto:ascenlink@fortinet.com)

# Table of Contents

<b>Introduction</b> .....	<b>1</b>
Summary.....	1
Supported Models .....	1
Compatibility.....	1
<b>Resolved Issues in V7.2.15 B7960</b> .....	<b>2</b>
Mantis ID 379885 .....	2
Mantis ID 381844 .....	2
Mantis ID 381869 .....	2
Mantis ID 382163 .....	2
Mantis ID 382621 .....	2
Mantis ID 382949 .....	2
Mantis ID 382951 .....	3
<b>Firmware Upgrade Procedures</b> .....	<b>4</b>
Upgrading Information .....	4
Upgrade procedure .....	4
<b>Getting Help</b> .....	<b>5</b>

# Introduction

## Summary

This LinkOS firmware V7.2.15 B7960 is the sixteenth build for Fortinet AscenLink V7.2. Several security vulnerabilities and bugs of DNS Proxy, Multihoming's SRV records and WAN link's MUT setting were fixed in this release. This document provides a list of resolved issues, upgrade procedures and support information for AscenLink LinkOS V7.2.15 B7960. Please review all sections of this document prior to upgrading your device.

## Supported Models

LinkOS **V7.2.15 B7960** is the latest AscenLink firmware version released for AscenLink-700, AscenLink-5000 and AscenLink-6000.

## Compatibility

LinkOS **V7.2.15 B7960** provides support and is compatible with all versions of LinkReport. AscenLink-6000 requires LinkOS V6.1, or higher.

# Resolved Issues in V7.2.15 B7960

## Mantis ID 379885

AscenLink's Web UI refused a SRV record of a Multihoming domain if the contained SRV target was not in the same domain.

## Mantis ID 381844

A security vulnerability that might result in disclosure of PHP cookie was found affecting AscenLink. An attacker could use it to log into AscenLink Web UI as an administrator.

## Mantis ID 381869

AscenLink was vulnerable to command injection attacks. A remote attacker could execute system commands to system back-end by injecting statements in GET method request.

## Mantis ID 382163

After system being rebooted, it failed to apply new configuration of DNS Proxy to system backend and no errors popped up (Web UI displayed a success message). ProxyDNS still operated as the old configuration.

## Mantis ID 382621

It failed to reset MTU of a WAN link from default 1500 to 1492 on Web UI. Other values were acceptable but 1492.

## Mantis ID 382949

A Cross-Site Scripting (XSS) vulnerability was found affecting AscenLink. Privileged guest user accounts and restricted user accounts could inject malicious scripts to the application-side or client-side of AscenLink's Web UI to steal sensitive information. This potentially enables XSS attacks.

## Mantis ID 382951

A non-administrative authenticated attacker could manipulate the “UserName” parameter of GET method requests to have access privilege using AscenLink’s tcpdump tool (see CVE-2016-4966 in Mantis 381610).

# Firmware Upgrade Procedures

## Upgrading Information

- Note that only versions later than V6.5 B4175 (V6.5 B4175 is included) are supported for upgrade to V7.2.15 B7960. To upgrade to V7.2 from V6.5 or V7.0, it requires an upgrade of V7.1 first (See “AscenLink V7.1 Firmware Upgrade Quick Guide”, which is available from FortiCare at <https://support.fortinet.com>). For V7.0 (B5338 and B5246), please update to V7.0 B5526 **first** before updating to V7.2.15 B7960.
- System with demonstration licenses cannot be upgraded to R7.1 and later. Please contact Fortinet at [ascenlink@fortinet.com](mailto:ascenlink@fortinet.com) for information on updating these systems to NFR units.
- AscenLink’s firmware image and upgrade license key are available from FortiCare at <https://support.fortinet.com> once customer’s AscenLink Serial Number is registered. However, because of US Government export restrictions on Tunnel Routing technology, all registration to FortiCare for customers using V7.0 or V6.5 **MUST** be "ordered" via your distributor and Fortinet Order Management. Registrations for in-warranty systems will be at no charge, as usual, but Fortinet must have end-user visibility and update its databases in order to support AscenLink. The SKU for ordering a Registration is **AL-REGI-FC**. This is a one-time requirement. Future upgrades will be automatically available to in-warranty customers via the FortiCare website, without the need for additional ordering.

## Upgrade procedure

### Upgrade from V6.5, V7.0 B5526, V7.1 or V7.2.x

After registering to FortiCare, the License Key can be generated inside FortiCare (for in-warranty Serial Number).

Start the upgrade procedure as follow:

- **Always back up your system configurations and store in a safe place before upgrading (and downgrade).**
- Log on to AscenLink as Administrator and go to [System > Administrator] page.
- Click Update to start the upgrade procedure
  - Click Browse to select the path where the new firmware image is saved
  - Enter the Update Key you received from Fortinet
  - Select Upload.
- Be patient while firmware is being upgraded. During the upgrade, do not turn off the system, unplug the power or repeatedly click the Submit button.
- The message “Update succeeded” will appear after the upgrade is completed. Please reboot the system afterwards for the firmware to take effect.

# Getting Help

For customer support of Fortinet's AscenLink products shipped, please contact your local Fortinet AscenLink channel partner or [http://www.fortinet.com/support/contact\\_support.html](http://www.fortinet.com/support/contact_support.html). AscenLink system must be registered to FortiCare to receive support.

Patches and updates are regularly released for Fortinet's AscenLink products. For access, please register at <https://support.fortinet.com/> or contact [ascenlink@fortinet.com](mailto:ascenlink@fortinet.com).

